

ABSTRACT

Method for controlling and optimising the cycle for production of ice cream depending on the mixtures used in the ice-cream making machine, comprising a
5 freezing cylinder exchanging heat with the evaporator of a refrigerating circuit, and a stirrer/scrapper element rotating inside said freezing cylinder and actuated by a suitable electric motor, and further comprising a processing element, sensors for detecting
10 continuously the temperature values of the refrigerating gas at the inlet and at the outlet of the evaporator and means for detecting continuously the value of the electric power used by the motor, said temperature values and said values for the electric
15 power used by the motor being continuously input into said processing element; a software program in said processor for processing said values being able to provide an output signal which drives an impulse solenoid valve which introduces continuously the hot
20 gases removed from the exhaust of the compressor into the main stream of refrigerating fluid.